

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/065447 A1

(51) International Patent Classification⁷: C08G 18/00, 18/18, 18/50

(74) Agent: PARK, Jang-Won; Jewoo Bldg. 5th Floor, 200. Nonhyun-Dong, Kangnam-ku, 135-010 Seoul (KR).

(21) International Application Number: PCT/KR2003/000109

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 17 January 2003 (17.01.2003)

(25) Filing Language: Korean

(26) Publication Language: English

(71) Applicant (for all designated States except US): LG ELECTRONICS INC. [KR/KR]; 20, Yido-Dong, Yong-dungpo-Gu, 150-010 Seoul (KR).

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

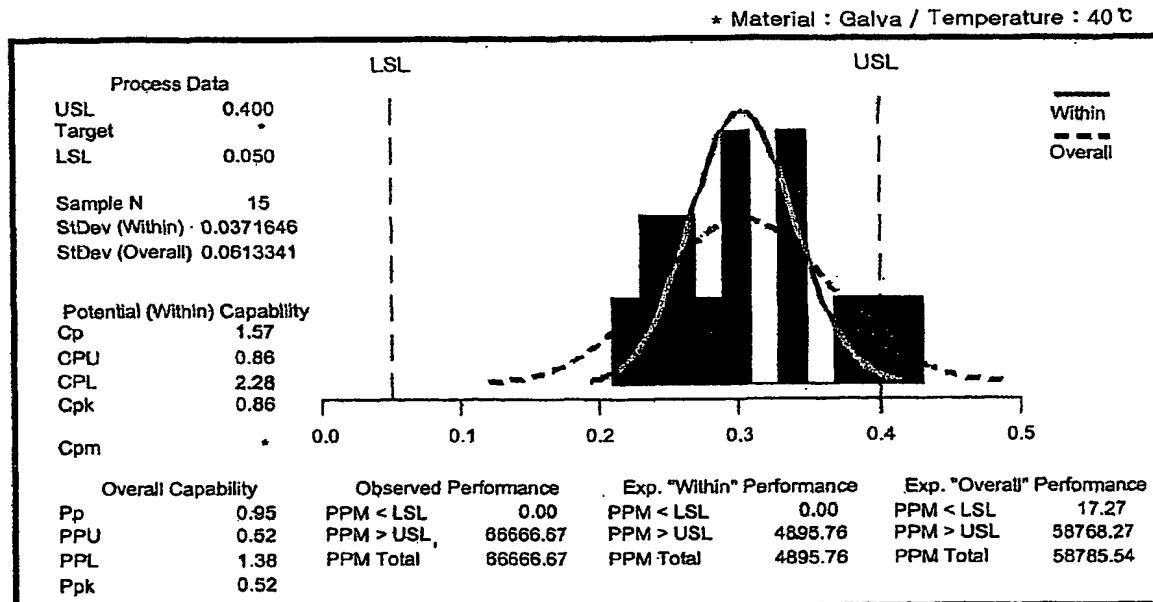
(75) Inventors/Applicants (for US only): PARK, Il-Yoong [KR/KR]; 6/5, 11-17, Guam 1-Dong, Hoiwon-Gu, 630-511 Masan, Kyungsangnam-Do (KR). KIM, Ju-Hyun [KR/KR]; Gaenari 2nd Apt. 201-708, Daebang-Dong, 641-754 Changwon, Kyungsangnam-Do (KR).

Published:

— with international search report

[Continued on next page]

(54) Title: COMPOSITION FOR PREPARING RIGID POLYURETHANE FOAM AND RIGID POLYURETHANE FOAM MADE THEREFROM



WO 2004/065447 A1

(57) Abstract: Composition for preparing a rigid polyurethane foam improved adhesive strength, and a rigid polyurethane foam made therefrom are provided. The composition for preparing a rigid polyurethane foam is prepared using cyclopentane system as a physical blowing agent, and polyols having a low viscosity, and has an increased adhesive strength without damages of other properties.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.